



|  |                        |                        |  |
|--|------------------------|------------------------|--|
| <b>TRANSMITTAL FORM</b>                  | Application Number     | 10/041,052             |  |
|  | Filing Date            | 1/7/2002               |  |
|  | First Named Inventor   |                        |  |
|  | Group Art Unit         | NOT ASSIGNED           |  |
|  | Examiner Name          | Unassigned             |  |
|  | Attorney Docket Number | CM03381J               |  |
| Total Number of Pages in this Submission |                        | Express Mail Label No. |  |

| ENCLOSURES  |  | (check all that apply)   |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                              | <input checked="" type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group                            |
| <input type="checkbox"/> Fee Attached   | <input type="checkbox"/> Drawing(s)  | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> Amendment/Reply  | <input type="checkbox"/> Licensing-Related papers                          | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final  | <input type="checkbox"/> Petition  | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/Declaration(s)                                    | <input type="checkbox"/> Petition to Convert to a Provisional Application  | <input type="checkbox"/> Status Letter   |
| <input checked="" type="checkbox"/> Extension of time Request                         | <input type="checkbox"/> Power of Attorney, Revocation                     | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)             |
| <input type="checkbox"/> Express Abandonment Request                                  | <input type="checkbox"/> Change of Correspondence Address                  | <input checked="" type="checkbox"/> Declaration Combined with Power of Attorney            |
| <input type="checkbox"/> Information Disclosure Statement                             | <input type="checkbox"/> Terminal Disclaimer                               | <input type="checkbox"/> sheet(s) of formal drawings                                       |
| <input type="checkbox"/> Certified Copy of Priority Documents                         | <input type="checkbox"/> Request for Refund                                | <input checked="" type="checkbox"/> Copy of Notice to File Missing Parts of Application    |
| <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application | <input type="checkbox"/> CD, Number of CDs                                 |  |
| <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53          | Remarks  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                  |
|--|------------------|
| Firm or Individual                         | Andrew S. Fuller |
| Signature                                  |                  |
| Date                                       | 5/3/02           |

| CERTIFICATE OF EXPRESS MAILING  |                    |
|---|--------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date |                    |
| Express Mail Label No.:   | EV 040520715 US    |
| Typed or printed name   | Maria E. Rodriguez |
| Signature   |                    |

**FEE TRANSMITTAL**

**For FY 2002**

Patent fees are subject to annual revision

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT **(\$ 280.00)**

**Complete if Known**

Application No. 10/041,052  
 Filing Date 1/7/2002  
 First Named Inventor  
 Examiner Name Unassigned  
 Group Art Unit NOT ASSIGNED  
 Attorney Docket No. CM03381J

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number

50-0757

Deposit Account Name

Motorola, Inc.

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayment  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION**

**1. BASIC FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 101          | 740      | 201          | 370      | Utility filing fee     |          |
| 106          | 330      | 206          | 165      | Design filing fee      |          |
| 107          | 510      | 207          | 255      | Plant filing fee       |          |
| 108          | 740      | 208          | 370      | Reissue filing fee     |          |
| 114          | 160      | 214          | 80       | Provisional filing fee |          |
| SUBTOTAL (1) |          |              |          |                        | (\$)     |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Extra Claims Fee from below Fee Paid  
 Total Claims  -20\* =  x  18 =   
 Independent Claims  -3\* =  x  84 =   
 Multiple Dependent  x  280 =

| Large Entity |          | Small Entity |          | Fee Description   | Fee Paid |
|--------------|----------|--------------|----------|---|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |          |
| 103          | 18       | 203          | 9        | Claims in excess of 20                                    |          |
| 102          | 84       | 202          | 42       | Independent claims in excess of 3                         |          |
| 104          | 280      | 204          | 140      | Multiple dependent claim, if not paid                     |          |
| 109          | 84       | 209          | 42       | **Reissue independent claims over original patent         |          |
| 110          | 18       | 210          | 9        | **Reissue claims in excess of 20 and over original patent |          |
| SUBTOTAL (2) |          |              |          |   | (\$)     |

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 105          | 130      | 205          | 65       | Surcharge - late filing fee or oath  | 130      |
| 127          | 50       | 227          | 25       | Surcharge - late Provisional filing  |          |
| 139          | 130      | 139          | 130      | Non-English specification  |          |
| 147          | 2520     | 147          | 2520     | For filing a request for ex parte Reexamination                            |          |
| 112          | 920*     | 112          | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113          | 1840*    | 113          | 1840*    | Requesting publication of SIR after Examiner action                        |          |
| 115          | 110      | 215          | 55       | Extension for reply within first month                                     | 110      |
| 116          | 400      | 216          | 200      | Extension for reply within second month                                    |          |
| 117          | 920      | 217          | 460      | Extension for reply within third month                                     |          |
| 118          | 1440     | 218          | 720      | Extension for reply within fourth month                                    |          |
| 128          | 1960     | 228          | 980      | Extension for reply within fifth month                                     |          |
| 119          | 320      | 219          | 160      | Notice of Appeal   |          |
| 120          | 320      | 220          | 160      | Filing a brief in support of an appeal                                     |          |
| 121          | 280      | 221          | 140      | Request for oral hearing   |          |
| 138          | 1510     | 138          | 1510     | Petition to institute a public use proceeding                              |          |
| 140          | 110      | 240          | 55       | Petition to revive - unavoidable   |          |
| 141          | 1280     | 241          | 640      | Petition to revive - unintentional   |          |
| 142          | 1280     | 242          | 640      | Utility issue fee (or reissue)   |          |
| 143          | 460      | 243          | 230      | Design issue fee   |          |
| 144          | 620      | 244          | 310      | Plant issue fee  |          |
| 122          | 130      | 123          | 50       | Petitions to the Commissioner  |          |
| 123          | 50       | 123          | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 126          | 180      | 126          | 180      | Submission of IDS  |          |
| 581          | 40       | 581          | 40       | Recording each patent assignment per property (times number of properties) | 40       |
| 146          | 740      | 246          | 370      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149          | 740      | 249          | 370      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179          | 740      | 279          | 370      | Request for Continued Examination (RCE)                                    |          |
| 169          | 900      | 169          | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Pd

**SUBTOTAL (3) \$ 280**

**SUBMITTED BY**

Name (Print) **Andrew S. Fuller**

Signature

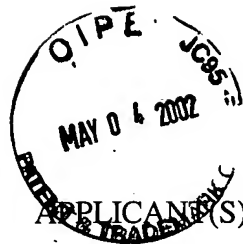
*Andrew S. Fuller*

**Complete (if applicable)**

Registration No. (Attorney/Agent) 37,328

Telephone: (954) 723-6449

Date 5/3/02



DOCKET NO.: CM03381J

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): PERKINS, MATTHEW R. ET AL.

APPLICATION NO.: 10/041,052

FILED: 1/7/2002

GROUP ART UNIT: NOT ASSIGNED Confirmation No: 1946

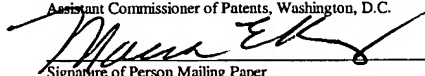
TITLE: TWO DIMENSIONAL ANGLE OF ARRIVAL DETECTION DEVICE

Certificate of Mailing

Date of deposit: 5/3/02

Express Mail Label No.: EV 0409520715 US

I hereby certify that this paper is being deposited with the United States Postal Service on the date indicated above, as Express Mail, with sufficient postage attached thereto, in an envelope addressed to the Assistant Commissioner of Patents, Washington, D.C.

  
Signature of Person Mailing Paper

Maria E. Rodriguez

Printed Name of Person Mailing Paper

Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: Customer Service Center  
Initial Patent Examination Division

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Sir:

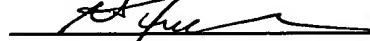
Responsive to the Notice to File Missing Parts of Application dated 2/15/02, please find enclosed:

- ☒ 2 page Declaration Combined with Power of Attorney
- ☒ 1 page copy of Notice to File Missing Parts of Application
- ☐ sheet(s) of formal drawings
- ☐

The Commissioner is hereby authorized to charge all fees due to Account No. 50-0757. A fee transmittal is enclosed.

Respectfully submitted,

SEND CORRESPONDENCE TO:  
Customer No. 24273  
Motorola, Inc.  
Intellectual Property Section  
Law Department

By:   
ANDREW S. FULLER  
Attorney of Record  
Reg. No.: 37,328

Telephone: 954-723-6449  
Fax No.: 954-723-3871



05-06-02  
e 3  
Page 1 of 1  
\$3  
NP/\$

01PE  
MAY 04 2002  
RECEIVED  
TRADEMARK

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 10/041,052         | 01/07/2002          | Matthew R. Perkins    | CM03381J               |

CONFIRMATION NO. 1946

FORMALITIES LETTER



\*OC000000007485960\*

Andrew S. Fuller  
Motorola, Inc.  
Law Department  
8000 West Sunrise Boulevard  
Fort Lauderdale, FL 33322

Date Mailed: 02/15/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:  
*Tzer-Hso Lin*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

---

*A copy of this notice **MUST** be returned with the reply.*

*John R. Geremew*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

05/07/2002 SHINASS1 00000112 500757 10041052

01 FC:105 130.00 CH